Amendment to the Claims

1. (Currently amended) A giving set cap providing fluid communication between two vessels, comprising a delivery tube having a channel for delivering fluid from a first vessel to a second, and a subsidiary channel for the delivery of a different material to said first or second vessel, characterized in that the cap has an inlet delivering fluid from said first or second vessel through the main channel, the inlet being spaced at a sufficient distance of at least twenty-five millimeters from an oval shaped outlet of the subsidiary channel with the oval shaped outlet being formed in an outer wall of said subsidiary channel proximate an end of said delivery tube and terminating adjacent thereto so that said oval shaped outlet is surrounded by said outer wall and faces substantially transversibly respecting the delivery tube axial direction to allow mixing of the different material with said fluid prior to delivery to said other vessel and that an inlet of the subsidiary channel is adapted to receive a needleless syringe.

2. (Currently amended) A giving set cap as claimed in claim 1, wherein the outlet of the subsidiary channel is spaced at least ~~ten~~ twenty-five millimeters from the inlet of the main channel so as to permit thorough dilutive mixing to a homogenous state of antibiotic solution and asceptic fluid when antibiotic solution flows into said main vessel through said subsidiary channel and out therefrom through said oval shaped outlet.

3. (Previously presented) A giving set cap as claimed in claim 2 wherein the outlet of the subsidiary channel is spaced at least twenty millimeters from the inlet of the main channel .

4. (Cancelled)

5. (Previously presented) A giving set cap as claimed in claim 1 further comprising connector means allowing attachment of the cap to a giving set chamber.

6. (Previously presented) A giving set cap as claimed in claim 1 further comprising puncturing means for attaching of the cap to an intravenous bag.

7. (Previously presented) A giving set cap as in claim 6 wherein one end of the delivery tube is tapered to provide piercing means.

8. (Cancelled)

9. (Previously presented) A giving set cap as claimed in claim 5 wherein the main channel of the delivery tube extends through connector means.

10. (Previously presented) A giving set cap as claimed in claim 1 wherein the main channel is provided with at least two inlets.

11. (Original) A giving set cap as claimed in claim 10 wherein the main channel is provided with three inlets.

12. (Previously presented) A giving set cap as claimed in claim 5 wherein at least one outlet for the delivery tube is provided in the connector means.

13. (Previously presented) A giving set cap as claimed in claim 5 wherein at least one inlet for the subsidiary channel is provided in the connector means.

14. (Previously presented) A giving set cap as claimed in claim 1 wherein the inlet of the subsidiary channel is provided with a detachable cover.

15. (Previously presented) A giving set cap as claimed in claim 1 wherein the inlet of the subsidiary channel is provided with an adapter having means for attachment to the inlet, a passage therethrough as an air vent and a detachable cap .

16. (Previously presented) A giving set cap as claimed in claim 13 wherein the adapter has a male or female member for mating with a complemental member on the inlet.

17. (Previously presented) A giving set cap as claimed in claim 14 wherein the adapter has an inner tube for inserting within the inlet and a threaded region for engagement with outer sides of the inlet.

18. (Previously presented) A giving set cap as claimed in claim 15 wherein an air-permeable membrane is provided across the passage of the adapter.

19. (Previously presented) A giving set cap as claimed in claim 15 wherein the cap is hingedly mounted with respect to the adapter.

20. (Original) A giving set cap as claimed in claim 13 wherein a vented Luer lock cap comprises the adapter.

21. (Previously presented) A giving set cap as claimed in claim 5 wherein the inlet of the subsidiary channel is provided in one side of the connector means.

22. (Previously presented) A giving set cap as claimed in claim 1 wherein the subsidiary channel extends up and along one side of the delivery tube.

23. (Previously presented) A giving set cap as claimed in claim 5 wherein the connector means is provided with internal threads for attachment to a drip chamber of a giving set.

24. (Previously presented) A giving set cap as claimed in claim 5 wherein the connector means comprises a cylindrical member having the main channel extending centrally therethrough the center thereof.

25. (Previously presented) A giving set comprising a drip chamber attached to a line with a giving set cap as claimed in claim 5.

26. (Currently amended) An infusion apparatus comprising an intravenous bag or container a giving set cap connecting said bag/container to a drip chamber having a line characterized in that the giving set cap comprises a delivery tube having a main channel for delivery fluid from the bag/container to the chamber and a subsidiary channel for the delivery of a different material to said bag/container, the cap having a first inlet for delivery of fluid from the bag/container through the main channel to the chamber, and a second inlet for the subsidiary channel, the first inlet being spaced at a sufficient distance from an oval shaped outlet formed in the subsidiary channel outer wall proximate but removed from a distal end of said subsidiary channel only sufficiently to provide said sufficient distance of about twenty-five millimeters to allow the aforementioned mixing of the subsidiary channel to allow mixing of the different material with said fluid prior to delivery to the chamber and the second inlet being adapted to receive a needle-less syringe.

27. (Cancelled)

28. (Cancelled)

29. (Cancelled)

30. (Cancelled)

31. (Cancelled)

32. (Cancelled)

33. (Previously presented) A giving set cap as claimed in claim 1 further comprising connector means allowing attachment of the cap to a giving set chamber.

34. (New) An infusion apparatus comprising an intravenous bag giving set cap connecting said bag to a drip chamber having a line characterized in that the giving set cap comprises a delivery tube having a main channel for delivery fluid from the bag to the chamber and a subsidiary channel for the delivery of a different material to said bag material to said bag, the subsidiary channel of the cap having a inlet adapted to receive a needleless syringe; wherein the cap has an inlet for delivering fluid from the bag/container through the main channel to the chamber, the inlet being spaced at a sufficient distance from an outlet of the subsidiary channel to allow mixing of a second material with said fluid prior to delivery to the chamber; wherein the giving set cap has connector means for allowing attachment of the cap to the drip chamber; wherein the giving set cap has piercing means for attachment of the cap to the bag; wherein at least one inlet of the main channel of the giving set cap is provided in a part of the delivery tube that extends into the bag; wherein at least one outlet of the subsidiary channel of the giving set cap is of oval configuration and is formed in the subsidiary channel outer wall proximate but removed from a distal end of said subsidiary channel to facilitate the aforementioned mixing provided in the part of the delivery tube that extends into the bag; wherein the outlet is provided close to said piercing means; and wherein the inlet of the subsidiary channel is provided with an adapter having means for its temporary attachment to the inlet, with a passage therethrough to act as an air vent and a detachable cap.

35. (New) A giving set cap for providing fluid communication between two vessels, the cap comprising a delivery tube having a main channel for delivering fluid from a first vessel to a second vessel and a subsidiary channel for the delivery of a different

material to said first or second vessel, the cap having an inlet for delivering fluid from said first or second vessel through the main channel, the inlet being spaced at a sufficient distance from an outlet of the subsidiary channel to allow mixing of the different material with said fluid prior to delivery to said other vessel; wherein an inlet of the subsidiary channel is adapted to receive a needleless syringe; wherein the outlet of the subsidiary channel is spaced at least 25mm from the inlet of the main channel; wherein the giving set cap further comprises connector means for allowing attachment of the cap to a giving set chamber; and piercing means for attachment of the cap to an intravenous bag or container; wherein one end of the delivery tube is tapered to provide said piercing means; wherein the tapered end of the delivery tube is rounded; wherein the main channel of the delivery tube extends through the connector means; wherein the main channel is provided with at least two inlets; wherein at least one outlet for the delivery tube is provided in the connector means; wherein at least one inlet for the subsidiary channel is provided in the connector means; wherein the inlet of the subsidiary channel is provided with a detachable cover; wherein the inlet of the subsidiary channel is provided with an adapter having means for its temporary attachment to the inlet with a passage therethrough to act as an air vent and a detachable gap; wherein the adapter has a male or female member for mating with a complimentary member on the inlet; the adapter has an inner tube for inserting within the inlet and a threaded region for engagement with outer sides of the inlet; wherein an air-permeable membrane is provided across the passage of the adapter; wherein the cap is hingedly mounted with respect to the adapter; wherein a vented Luer lock cap comprises the adapter; wherein the inlet of the subsidiary channel is provided in one

side of the connector means; wherein the subsidiary channel extends up one side of the delivery tube; wherein the connector means is provided with internal threads for attachment to a drip chamber of a giving set; wherein the connector means comprises a cylindrical member having the main channel extending through the center thereof.

36. (New) A giving set cap providing fluid communication between two vessels, comprising a delivery tube having a channel for delivering fluid from a first vessel to a second, and a subsidiary channel for the delivery of a different material to said first or second vessel, characterized in that the cap has an inlet delivering fluid from said first or second vessel through the main channel, the inlet being spaced at a sufficient distance from an oval shaped outlet of the subsidiary channel with the outlet being formed in an outer wall of said subsidiary channel proximate but removed from an end of said delivery tube so that said oval shaped outlet is surrounded by said outer wall and faces substantially transverse respecting the delivery tube axis to facilitate mixing of the different material with said fluid upon exiting the outlet into the vessel interior.